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OM nucleic - nucleic search, using sw model

Run on: February 4, 2000, 09:57:12 ; Search time 77.23 Seconds  
(without alignments)  
3991.215 Million cell updates/sec

Title: US-08-973-815-1  
Perfect score: 2661  
Sequence: 1 CTTGAACGCTGACCTCTGA.....AAAAAAAAAAAAAAAAAAAA 2661

Scoring table: IDENTITY\_NUC

Searched: 207703 seqs, 57918364 residues

Database: Issued\_Patents\_NA:\*

Word size: 0

Number of hits that pass the threshold : 415406  
1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/1/ina/5C\_COMB.seq.\*  
4: /cgn2\_6/ptodata/1/ina/5D\_COMB.seq.\*  
5: /cgn2\_6/ptodata/1/ina/PCTUS9\_COMB.seq.\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1045.4	39.3	1055	US-08-468-012A-1	Sequence 1, Appl
2	151.2	5.7	1208	US-08-640-765A-2	Sequence 2, Appl
3	147.6	5.5	1039	US-07-895-300A-2	Sequence 2, Appl
4	147.6	5.5	1039	PCT-US93-05136-2	Sequence 2, Appl
5	147.6	5.5	1039	PCT-US93-10519-1	Sequence 1, Appl
6	146	5.5	1039	US-08-458-367-2	Sequence 2, Appl
7	109.8	4.1	1848	US-08-491-988-13	Sequence 13, Appl
8	109.8	4.1	1824	US-08-491-988-14	Sequence 14, Appl
9	109.8	4.1	1615	US-08-491-988-15	Sequence 15, Appl
10	69.6	2.6	246240	US-08-724-394A-20	Sequence 20, Appl
11	69.6	2.6	246240	US-08-724-394A-21	Sequence 21, Appl
12	69.6	2.6	246240	US-08-724-394A-22	Sequence 22, Appl
13	65	2.4	31571	US-08-323-443B-1	Sequence 1, Appl
14	63.8	2.4	13158	US-08-687-080-105	Sequence 105, App
15	62.2	2.3	246240	US-08-724-394A-20	Sequence 20, Appl
16	62.2	2.3	246240	US-08-724-394A-21	Sequence 21, Appl
17	62.2	2.3	246240	US-08-724-394A-22	Sequence 22, Appl
18	61.6	2.3	15328	US-08-888-497-33	Sequence 33, Appl
19	61.6	2.3	15328	PCT-US94-07926-33	Sequence 33, Appl
20	61.2	2.3	7210	US-08-257-963B-10	Sequence 10, Appl
21	61.2	2.3	7210	PCT-US95-07201-10	Sequence 10, Appl
22	61.2	2.3	22481	PCT-US95-07201-43	Sequence 43, Appl
23	60.8	2.3	320	US-08-629-939-5	Sequence 5, Appl
24	60.8	2.3	320	US-08-759-873-5	Sequence 5, Appl
25	60.6	2.3	3647	US-07-914-281-7	Sequence 7, Appl
26	60.6	2.3	3647	US-08-393-246-7	Sequence 7, Appl
27	60.6	2.3	3647	US-08-525-058A-7	Sequence 7, Appl
28	60.6	2.3	3742	US-08-694-915-5	Sequence 5, Appl
29	60.6	2.3	3647	US-08-696-731-7	Sequence 7, Appl
30	60.6	2.3	3647	PCT-US91-00899-4	Sequence 4, Appl
31	60.4	2.3	8878	US-08-206-176-3	Sequence 3, Appl
32	60.4	2.3	3267	US-08-257-963B-12	Sequence 12, Appl
33	60.4	2.3	3267	PCT-US95-07201-12	Sequence 12, Appl

34 60.4 2.3 22481 5 PCT-US95-07201-43  
35 60.2 2.3 12047 4 US-09-022-461-1  
36 59.8 2.2 5220 3 US-08-777-405A-1  
37 59.8 2.2 5220 3 US-08-977-871A-1  
38 59.8 2.2 5220 4 US-09-235-951-1  
39 59.2 2.2 4517 5 PCT-US93-06251-83  
40 59 2.2 11613 1 US-08-484-044-10  
41 59 2.2 6340 2 US-08-187-785-3  
42 59 2.2 1811 2 US-08-848-252-1  
43 58.8 2.2 3035 2 US-08-726-725-2  
44 58.8 2.2 7452 5 PCT-US94-07644A-1  
45 58.6 2.2 17327 1 US-07-906-871-15

ALIGNMENTS

RESULT 1  
US-08-468-012A-1  
; Sequence 1, Application US/08468012A  
; Patent No. 5830744  
; GENERAL INFORMATION:  
; APPLICANT: RUBEN, ET AL.  
; TITLE OF INVENTION: Human Dnase  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELIA, BYRNE, BAIN, GILFILLAN,  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 INCH DISKETTE  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: WORD PERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/468,012A  
; FILING DATE: 6 JUNE 1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US94/04954  
; FILING DATE: 5 MAY 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MULLINS, J.G.  
; REGISTRATION NUMBER: 33,073  
; REFERENCE/DOCKET NUMBER: 325800-428  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-994-1700  
; TELEFAX: 201-994-1744  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1055 BASE PAIRS  
; TYPE: NUCLEIC ACID  
; STRANDEDNESS: SINGLE  
; TOPOLOGY: LINEAR  
; MOLECULE TYPE: CDNA  
US-08-468-012A-1

Query Match 39.3%; Score 1045.4; DB 3; Length 1055;  
Best Local Similarity 99.4%; Pred. No. 2.4e-245;  
Matches 1049; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 791 AGCCATGACATACCAACTGCACCTCTTCTCATCTGCGCAATGGCCAGGCGCTT 850  
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Db 1 AGCCATGACATACCAACTGCACCTCTTCTCATCTGCGCAATGGCCAGGCGCTT 60  
QY 851 TCGCATGCGCCCTTCAATGCGCCAGGCGCTGACACTGGCCAGGCGGAGCAGGT 910  
|||||  
Db 61 TCGCATGCGCCCTTCAATGCGCCAGGCGCTGACACTGGCCAGGCGGAGCAGGT 120









Db 529 CGGCCCGGGGACCGAGTACCGGAGATCGGCGCTCTCTATGACGTCTACCTGGATGTCC 588  
Qy 1300 CCCAGCACTGGCAGAGCAAGGAGCTGATCCTCTGTTGGGACTTCAATGCTGACTGGGCTT 1359  
Db 689 AAGAGAAATGGGCTTGGAGGAGCTGATCTTATGATGGGCGACTTCAATGGGCTGAGCT 748  
Qy 1360 CACTGACCAAAAGGCGCTGGACAAGCTGGAGCTGGGAGCTGAGCAGGCTTCCACTGGG 1419  
Db 749 ATGTGAGACCTCCCGAGTGGTCTATCATCCGCTGTGGACAAGCCCGCTTCCAGTGGC 808  
Qy 1420 TGATTGCGATGGGAGGACACACAGTGGGCGGCGAGCAGCAGCAGCAGCAGCAGCAGCAG 1479  
Db 809 TGATCCCGAGCAGCCTGACACACAG---CTACACCCAGCAGCTGTGCTATGACAGGA 865  
Qy 1480 TCGTGTCTGACGAGGCGCTGCGGAG-----TCTGTGACACACTGCGGCTGCTTTG 1533  
Db 866 TCGTGTGACGAGGATGCTGCTCCGAGGCGGCTGCTTCCGAGCTCGGCTTCCCTTTA 925  
Qy 1534 ACTTCCCGAGCTTCCAGCTCAGCTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1593  
Db 926 ACTTCCAGGCTGCTTATGCTGCTGAGTACCAACTGGCCCAAGCCATGAGTACCACTATC 985  
Qy 1594 CCGTGGAGTGGAGTGAAG 1613  
Db 986 CAGTGGAGGTGATGCTGAAG 1005

## RESULT 7

US-08-491-988-13  
; Sequence 13, Application US/08491988  
; Patent No. 5973116  
; GENERAL INFORMATION:  
; APPLICANT: EPENETOS, AGAMENNON A.  
; APPLICANT: SPOONER, ROBERT A.  
; APPLICANT: DEONARAIN, MAHENDRA  
; TITLE OF INVENTION: Compounds for targeting  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MCAULAY NISSEN GOLDBERG KIEL & HAND, LLP  
; STREET: 261 MADISON AVENUE  
; CITY: NEW YORK  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/491.988  
; FILING DATE: 18-DEC-1995  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: GOLDBERG, JULES E.  
; REGISTRATION NUMBER: 24,408  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-986-4090  
; TELEFAX: 212-818-9479  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1648 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
US-08-491-988-13

Query Match 4.1%; Score 109.8; DB 4; Length 1648;  
Best Local Similarity 52.5%; Pred. NO. 9.5e-18;  
Matches 374; Conservative 0; Mismatches 312; Indels 27; Gaps 5;

Qy 920 CTTAGTTCGGATACTGGCTGCTGTGACATCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 979  
Db 930 CATCGTACGATCGTACGCGGTTACGATATCGTCTGATCCAGGAAGTTCCGCGACTCTCA 989  
Qy 980 CGGAGGCGCATCCCGCTCTGCTGCTGAGAACCTCAATCGATTTGATGGCTCTGGGCGCCCTA 1039  
Db 990 CTTGGTTGAGTTGGTAAACTTCTAGACTACCTGAACC---AGGACGACCCGACACCTA 1046  
Qy 1040 CAGCACCTCAGCAGCCCGGCTGGGCGGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 1099  
Db 1047 CCACTAGTGTGTTTGAACCTCTCGGCGCTAATCTTAAAGAACGGTACCTGTTCTCT 1106  
Qy 1100 CTATCGGTACACAAACACAGCTGCTGAGTTCTCTAGCTGTACAAACGATGAGG----- 1153  
Db 1107 GTTCCGTCGCAACAAAGTTTTCAGTACTGGATACCTACCACTACGACGACGATCGGAATC 1166  
Qy 1153 -----ATGAGCTCTTTGCCCGGAGGCCATTTTGGGCCAGTTCTTGGGCCAGTTCTTTCGCCACAA 1204  
Db 1167 TTGCGGTAAAGACTCTTCTCCCGGGAACCGGCTGTTGTTAAATTTCTGAGGCCACTCTAC 1226  
Qy 1205 TGTCTTCCAGCGCTGTTGTTGCTGCGCTGACACACCTCTTAAGCCGCTAGAGAGGA 1264  
Db 1227 CAAGGTAAAGAGTTCGCTATCGTTGCTCTGACAGCGCGCTCTGACGCTGTTGCTGA 1286  
Qy 1265 GCTGAACGCGCTCTAGGATGTTTCTGGAGGTCTCCAGCAGCTGCGAGCAAGGAGCT 1324  
Db 1287 AATCAACTCTCTGACGAGCTTTACCTGGAGCTTCAGCAGAAATGGCACCTGAACGAGCT 1346  
Qy 1325 GATCTGCTTGGGAGCTTCAATGCTGACTGCGCTTCACTGACCAAAAGCGCTTGGACAA 1384  
Db 1347 CATGCTGATGGGTGACTTCAACGCTGACTGCTCTATGTAACCTTCTCAGTGGTCATC 1406  
Qy 1385 GCTGGAGCTGGGAGCTGAGCCAGCTTCCACTGGGTGATTGCGGATGGGAGGACACAC 1444  
Db 1407 GATCTGCTGCGCAGCTGCTGAGCTTCCAGTGGCTGATCCCGGAGCTCCGCTGACACCAC 1466  
Qy 1445 AGTGGGCGGCGAGCAGCAGCTGACCTATGACCGCTCG-TGCTGACGGGAGGCGCTGCC 1503  
Db 1467 CG---CTACTAGTACCACTGCGCTTACGACCGCTATGCTGCTGGATCCCTGCTGCA 1523  
Qy 1504 GGAGTCTGCTGAC-----ACTCGGCTGCTTGTGACTTCCCGCAGAGCTTCCAGCTCAC 1558  
Db 1524 GTCTTCTGTTGACCGGTAGCGCGCGCTTCCAGCTTCCAGGCTCATATGCTCTTC 1583  
Qy 1559 CGAGGAGGAGGCGCTCAACATCAGTACCACTACCCCGTGGAGGTGGAGCTGA 1611  
Db 1584 GAACGAAATGGCGCTGCGCATCTCTGATCATCTACCCCGTTGAGGTAAACCTGA 1636

## RESULT 8

US-08-491-988-14  
; Sequence 14, Application US/08491988  
; Patent No. 5973116  
; GENERAL INFORMATION:  
; APPLICANT: EPENETOS, AGAMENNON A.  
; APPLICANT: SPOONER, ROBERT A.  
; APPLICANT: DEONARAIN, MAHENDRA  
; TITLE OF INVENTION: Compounds for targeting  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MCAULAY NISSEN GOLDBERG KIEL & HAND, LLP  
; STREET: 261 MADISON AVENUE  
; CITY: NEW YORK  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/491,988  
FILING DATE: 18-DEC-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: GOLDBERG, JULES E.  
REGISTRATION NUMBER: 24,408  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-986-4090  
TELEFAX: 212-818-9479  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1624 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
US-08-491-988-14

Query Match 4.1%; Score 109.8; DB 4; Length 1624;  
Best Local Similarity 52.5%; Pred. No. 9.4e-18;  
Matches 374; Conservative 0; Mismatches 312; Indels 27; Gaps 5;

QY 920 CTTAGTTCGGACTGCTCGCTGTGACATCATGGTCTGCAGGAGGTGGTAGACTCTTC 979  
DB 906 CATCGTACGCATCGTACGCCGTTACGATATCGTCTGTATCCAGGAAGTTCGCGACTCTCA 965  
QY 980 CGCGAGGCCATCCCCCTCTCGCTTCGAGACTCAATCGATTGATGGCTCTGGGCCCTA 1039  
DB 966 CTGGTTCAGTTCGTAACCTTCTAGACTACCTGAACC---AGGACGACCCGGAACACTA 1022  
QY 1040 CAGCACCTCAGCAGCCCCCAGCTGGGCGCAGCACCTACATGAGAGCTATGTACTTT 1099  
DB 1023 CCAGTGTGTTCTGAACCCCTCGGCGTAACTCTTACAAAGAACGGTACCTGTTCT 1082  
QY 1100 CTATCGGTACACAAACACAGGCTCTGAGTTCCTAGCTGTACACACGATGAGG----- 1153  
DB 1083 GTTCCGTCGCAACAAAGTTTCAGTACTGGATACCTACGAGTACGAGCAGGATCGGAATC 1142  
QY 1153 -----ATGAGCTCTTTCGCGGGAGCCATTTGTGGCCCGAGTCTCTTTGGCCAGCAA 1204  
DB 1143 TTCCGTTAAGAGTTCGCTATCGTCTGACAGCGCGCGCTGACGCTGTGCTGA 1262  
QY 1205 TGCTCTCCAGCTGTGTGTGTCGCTGCACACACTCTTAAGGCGGTAGAGAAGGA 1264  
DB 1203 CAAGTTAAGAGTTCGCTATCGTCTGACAGCGCGCGCTGACGCTGTGCTGA 1262  
QY 1265 GCTGAACGCCCTCTACGATGTGTTCTGAGGCTCTCCAGCAGTGGCAGAGGAGCGT 1324  
DB 1263 AATCAACTCTCTGACGAGTTCACCTGGAGTTCAGCAGAAATGGCACCTGAAGCAGT 1322  
QY 1325 GATCTCTGTTGGGACTCAATGCTGACTGGCTTCACTGACCAAAAGCGCTGGACAA 1384  
DB 1323 CATGCTGATGGGTGACTTCAACGCTGACTGCTTATGTAACCTCTCTCAGTGGTATC 1382  
QY 1385 GCTGGAGCTCGGACTGAGCAGGCTTCCACTGGTGTGATTCGCCATGGGAGGACACC 1444  
DB 1383 GATTCGCTCGGACCTCTGTCGACCTTCCAGTGTGCTATCCCGGACTCCGCTGACACC 1442  
QY 1445 AGTCCGCGCCAGCACCCACTTATGACCGGCTG-TGCTGCACCGGGAGCGCTGCC 1503  
DB 1443 CG---CTACTAGTACCAACTGCGGTACGACCGTATGTTGTTGCTGATCCCTGCTGA 1499  
QY 1504 GGAGTGTGCTGAC-----ACTGCGGTGCTTTGACTTCCCCAGAGCTTCCAGCTCAC 1558  
DB 1500 GTCTTCTGTTGACCGGTAGCGCGGCCCGCTTCGACTTCCAGGCTGCATATGCTTTTC 1559  
QY 1559 CGAGGAGGAGCCCTCAACACTAGTACCACTACCCCGCTGGAGGTGAGCTGA 1611  
DB 1560 GAACGAAATGGCGTGCCCACTCTGTATCACTACCCCGTTGAGGTAACCCCTGA 1612

RESULT 9  
US-08-491-988-15  
Sequence 15, Application US/08491988  
Patent No. 5973116  
GENERAL INFORMATION:  
APPLICANT: EPENETOS, AGAMENNON A.  
APPLICANT: SPOONER, ROBERT A.  
APPLICANT: DEONARAIN, MAHENDRA  
TITLE OF INVENTION: Compounds for targeting  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MCAULAY NISSEN GOLDBERG KIEL & HAND, LLP  
STREET: 261 MADISON AVENUE  
CITY: NEW YORK  
STATE: NY  
COUNTRY: USA  
ZIP: 10016-2391  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/491,988  
FILING DATE: 18-DEC-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: GOLDBERG, JULES E.  
REGISTRATION NUMBER: 24,408  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-986-4090  
TELEFAX: 212-818-9479  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1615 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
US-08-491-988-15

Query Match 4.1%; Score 109.8; DB 4; Length 1615;  
Best Local Similarity 52.5%; Pred. No. 9.4e-18;  
Matches 374; Conservative 0; Mismatches 312; Indels 27; Gaps 5;

QY 920 CTTAGTTCGGACTGCTCGCTGTGACATCATGGTCTGCAGGAGGTGGTAGACTCTTC 979  
DB 897 CATCGTACGCATCGTACGCCGTTACGATATCGTCTGATCCAGGAAGTTCGCGACTCTCA 956  
QY 980 CGGAGCGCATCCCCCTCTCTCGTTCGAGAACTCAATCGATTGATGGCTCTGGGCCCTA 1039  
DB 957 CTGTTGTCAGTTGTTAACTTCTAGACTACCTGAACC---AGGACGACCCGGAACACTA 1013  
QY 1040 CAGCACCTGAGCAGCCCCCAGCTGGGCGCAGCACTACATGGAGAGCTATGTACTTT 1099  
DB 1014 CCATACGTTGTTCTGAAACCCCTCGGCGTAACTTTACAAAGAACGGTACTCTTCT 1073  
QY 1100 CTATCGGTACACAAACACAGGCTCTGATGTTCTTCCAGTGTACACGATGAGG----- 1153  
DB 1074 GTTCGTCGACAAAGTTTCAGTACTGGATACCTACAGTACGACGAGGTGCGAATC 1133  
QY 1153 -----ATGAGCTCTTTGCCCCGGAGCCATTTTGGCCCCAGTTCTCTTTGCCAGCAA 1204  
DB 1134 TTGCGGTAAAGACTCTTTCTCCCGGAACCGCGCTGTGTTAAATTCGAGCCACTCTAC 1193  
QY 1205 TGCTCTCCAGCTGTGTTGGTCCCGTGCACACACTCTCTAAGGCGGTAGAGAAGA 1264  
DB 1194 CAAGGTAAAGAGTTGCTATGTTGCTCTGCACAGCGCGCTGACGCTGTGCTGA 1253  
QY 1265 GCTGAACCCCTCTACGATGTGTTCTTGGAGTCTCCAGCACTGCGACGACGAGGAGT 1324

Db	1254	AATCAACTCTCTGTACGAGGTTTACTTGGACGCTTCAGCAGAATGCGACCTGAACGACGT	1313
QY	1325	GATCCTGCTGGGGACTTCAATGCTGACTCGCCTTCACTGACCAAAAAGCGCTGGACAA	1384
Db	1314	CATGCTGATGGTGACTTCAACGCTGACTGCCTTATGTAACCTCTTCTCAGTGGTCA TC	1373
QY	1385	GCTGGAGCTCGGAGCTGAGCCAGGCTTCCAC'TGGGTGATTGCCGATGGGAGGACACCAC	1444
Db	1374	GATTGCTGTGGCACCTCGTGACCTTCCAGTGGCTGATCCCGGATCCGCTGACACCAC	1433
QY	1445	AGTCGGGCCCCAGCACCCACTGACCCATGACCCGCTCG-TGCTGCA CGGGGAGCGCTGCC	1503
Db	1434	CG--CTACTAGTACCAACTCGCCTTACGACGGTATCGTGTGTGCTGGATCCCTGCTGCA	1490
QY	1504	GGAGTCTGCTGCAC-----ACTGGCGCTGCCCTTGACTTCCCAACGAGCTTCCAGCTCAC	1558
Db	1491	GTC'TTCTGTTGTACCGGGTAGCGGCCGCCCTTGACTTCCAGGCTGCATATGGCTTTC	1550
QY	1559	CGAGGAGGAGGCCCTTCAACATCAGTGAACCACTACCCCTGGGAGGTGAGCTGA	1611
Db	1551	GAACGAATGGCGTGGCCACTCTCTGATCACTACCCGGTTGAGTAACCTGTA	1603

## RESULT 10

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US-08-724-394A-20/c
: Sequence 20, Application US/08724394A
: Patent No. 5872237
: GENERAL INFORMATION:
: APPLICANT: Fedex, John N.
: APPLICANT: Kronmal, Gregory S.
: APPLICANT: Lauer, Peter M.
: APPLICANT: Ruddy, David A.
: APPLICANT: Thomas, Winston
: APPLICANT: Tsuchihashi, Zenta
: APPLICANT: Wolff, Roger K.
: TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
: TITLE OF INVENTION: Sequences and Antibodies Therto

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; NUMBER OF SEQUENCES: 31

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Query Match          2.6%;   Score 69.6;   DB 3;   Length 246240;
Best Local Similarity 77.8%;   Pred. No. 4.7e-07;
Matches 84;   Conservative 0;   Mismatches 24;   Indels 0;   Gaps 0;

Qy 1 CTTGAAGCCCTGAGACTCGTATCCACCGCCCTCAGCCTCCCAAAGTGTGGGATTACAGGC 60
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 197200 CTTAAACTCTCTGAGCTTGTGTGACCACCGCCCTCGGCCCTCCCAAAGTGTGTGGATTACAGGG 197141

Qy 61 ATGAGCCACCAAGCCCGCCCATATTTATTTGATTTTAAAAATTTGT 108
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 197140 GTGAGCCACCGTGGCCGCTGTGACATTTCTGAATTTTAAACAGGTAT 197093

RESULT 11
US-08-724-394A-21/C
: Sequence 21. Application US/08724394A
: Patent No. 5872237
: GENERAL INFORMATION:
:   APPLICANT: Feder, John N.
:   APPLICANT: Kronmal, Gregory S.
:   APPLICANT: Lauer, Peter M.
:   APPLICANT: Ruddy, David A.
:   APPLICANT: Thomas, Winston
:   APPLICANT: Tsuchihashi, Zenta
:   APPLICANT: Wolff, Roger K.
: TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
: TITLE OF INVENTION: Sequences and Antibodies Thereto
: NUMBER OF SEQUENCES: 31
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
: STREET: Two Embarcadero Center, 8th Floor
: CITY: San Francisco
: STATE: CA
: COUNTRY: USA
: ZIP: 94111-3834
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA: US/08/724,394A
: APPLICATION NUMBER: 01-OCT-1996
: FILING DATE: 536
: CLASSIFICATION: 536
: ATTORNEY/AGENT INFORMATION:
: NAME: Fitts, Renee A.
: REGISTRATION NUMBER: 35,136
: REFERENCE/DOCKET NUMBER: 017957-000100
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415-576-0200
: TELEFAX: 415-576-0300
: INFORMATION FOR SEQ ID NO: 21:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 246240 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: not relevant
: TOPOLOGY: not relevant
: MOLECULE TYPE: cdna
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: 1..246240
: OTHER INFORMATION: /note= "HLA-H.CONFIG"
US-08-724-394A-21

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Query Match      2.69; Score 69.6; DB 3; Length 246240;
Best Local Similarity 77.8; pred. No. 4.7e-07;
Matches 84; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

Qy 1 CTTGAAGCCCTGACCTCGTATCCACCCGCCCTCAGCCTCCCAAGTGTGGGATTACAGGC 60
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Db 197200 CTCAAACTCTGACCTGTGTGACACCCGCGCTCGGCTCCAAAGTGTGGATTACAGG 197141

Qy 61 ATGAGCCACCGCCAGCCGCAATAATTATTGATTTTAAAAATTTGT 108  
Db 197140 GTGAGCCACCGTCCCGGCTTGACATTTCTGAATTTTAAACAGGTAT 197093

## RESULT 12

US-08-724-394A-22/c  
; Sequence 22, Application US/08724394A

; Patent No. 5872237

; GENERAL INFORMATION:

; APPLICANT: Feder, John N.

; APPLICANT: Kronmal, Gregory S.

; APPLICANT: Lauer, Peter M.

; APPLICANT: Ruddy, David A.

; APPLICANT: Thomas, Winston

; APPLICANT: Tsuchihashi, Zenta

; APPLICANT: Wolff, Roger K.

; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el

; TITLE OF INVENTION: Sequences and Antibodies Thereto

; NUMBER OF SEQUENCES: 31

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP

; STREET: Two Embarcadero Center, 8th Floor

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94111-3834

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/724,394A

; FILING DATE: 01-OCT-1996

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Fitts, Renee A.

; REGISTRATION NUMBER: 35,136

; REFERENCE/DOCKET NUMBER: 017957-000100

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415-576-0200

; TELEFAX: 415-576-0300

; INFORMATION FOR SEQ ID NO: 22:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 246240 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: not relevant

; TOPOLOGY: not relevant

; MOLECULE TYPE: cDNA

; FEATURE:

; NAME/KEY: misc.feature

; LOCATION: 1..246240

; OTHER INFORMATION: /note= "HLA-H.CONFIG"

US-08-724-394A-22

Query Match 2.6%; Score 69.6; DB 3; Length 246240;  
Best Local Similarity 77.8%; Pred. No. 4.7e-07;  
Matches 84; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

Qy 1 CTTGAACGCTGACCTGATCCAGCCGCTCGAGCTCCCAAGTGTGGATTACAGG 60  
Db 197200 CTCAAACTCTGACCTGTGTGACACCCGCGCTCGGCTCCAAAGTGTGGATTACAGG 197141

Qy 61 ATGAGCCACCGCCAGCCGCAATAATTATTGATTTTAAAAATTTGT 108

Db 197140 GTGAGCCACCGTCCCGGCTTGACATTTCTGAATTTTAAACAGGTAT 197093

## RESULT 13

US-08-323-443B-1  
; Sequence 1, Application US/08323443B  
; Patent No. 5654170  
; GENERAL INFORMATION:  
; APPLICANT: KLINGER, KATHERINE W.  
; APPLICANT: LANDES, GREGORY M.  
; APPLICANT: BURN, TIMOTHY C.  
; APPLICANT: CONNORS, TIMOTHY D.  
; APPLICANT: DACKOWSKI, WILLIAM R.  
; APPLICANT: GERMINO, GREGORY  
; APPLICANT: QIAN, FENG  
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Darby & Darby PC

; STREET: 805 Third Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10022

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/323,443B

; FILING DATE: 12-OCT-1994

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Ludwig, S. Peter

; REGISTRATION NUMBER: 25,351

; REFERENCE/DOCKET NUMBER: 0372/0A462

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 527-7700

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 31571 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; HYPOTHETICAL: NO

; ORIGINAL SOURCE:

; ORGANISM: Homo sapiens

; IMMEDIATE SOURCE:

; CLONE: PKD1 GENOMIC

US-08-323-443B-1

Query Match 2.4%; Score 65; DB 1; Length 31571;  
Best Local Similarity 83.1%; Pred. No. 2.6e-06;  
Matches 74; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 20 ATCCACCGCCTCACCCTCCCAAGTGTGGATTACAGGATGAGCCACCGCCAGC 79  
Db 1696 ATCTGCCCGCTCGGCTCCCAAGTGTGGATTACAGGATGAGCCACCGCCAGC 1755

Qy 80 CCATAATTATTGATTTTAAAAATTTGT 108

Db 1756 CAGTCTTTTCTTTTCCATTTT 1784

## RESULT 14

US-08-687-080-105

; Sequence 105, Application US/08687080

; Patent No. 5965427

; GENERAL INFORMATION:

; APPLICANT: Gregory Dolganov

; TITLE OF INVENTION: Human RAD50 Gene and Methods of Use Thereof

; NUMBER OF SEQUENCES: 175

; CORRESPONDENCE ADDRESS:

ADDRESSEE: Dehlinger & Associates  
STREET: 350 Cambridge Avenue, Suite 250  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94306  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/687,080  
FILING DATE: 17-JUL-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION NUMBER: US 08/592,126  
FILING DATE: 26-JAN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Sholtz, Charles K.  
REGISTRATION NUMBER: 38,615  
REFERENCE/DOCKET NUMBER: 4600-0111.30  
TELEPHONE: (415) 324-0880  
TELEFAX: (415) 324-0960  
INFORMATION FOR SEQ ID NO: 105:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13158 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: 5' END OF INTRON 21 OF RAD50 GENOMIC  
INDIVIDUAL ISOLATE: SEQUENCE

Query Match 2.4%; Score 63.8; DB 4; Length 13158;  
Best Local Similarity 85.5%; Pred. No. 3.5e-06;  
Matches 71; Conservative 0; Mismatches 12; Indels 0; Gaps 0;  
QY 20 ATCCACCGCGCTCAGCCTCCCAAGTGTGGATTACAGGATGAGCCACGCGCCAGC 79  
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Db 323 ATCCACCGCGCTCGCCCTCCCAAGTGTGGATTACAGGATGAGCCACGCGCCAGC 79  
|||||  
Q 80 CCATAATTATTGATTTTAA 102  
|||  
Db 383 CCTCATTTTCTCTTTAATA 405

RESULT 15  
US-08-724-394A-20  
Sequence 20, Application US/08724394A  
Patent No. 5872237  
GENERAL INFORMATION:  
APPLICANT: Feder, John N.  
APPLICANT: Kronmal, Gregory S.  
APPLICANT: Lauer, Peter M.  
APPLICANT: Ruddy, David A.  
APPLICANT: Thomas, Winston  
APPLICANT: Tsuchihashi, Zenta  
APPLICANT: Wolff, Roger K.  
TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el  
TITLE OF INVENTION: Sequences and Antibodies Thereto  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: TOWNSEND and CREW LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco  
STATE: CA

COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/724,394A  
FILING DATE: 01-OCT-1996  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Fitts, Renee A.  
REGISTRATION NUMBER: 35,136  
REFERENCE/DOCKET NUMBER: 017957-000100  
TELEPHONE: 415-576-0200  
TELEFAX: 415-576-0300  
INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 246240 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: not relevant  
TOPOLOGY: not relevant  
MOLECULE TYPE: CDNA  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: 1,246240  
OTHER INFORMATION: /note= "HLA-H.CONTIG"  
US-08-724-394A-20

Query Match 2.3%; Score 62.2; DB 3; Length 246240;  
Best Local Similarity 85.3%; Pred. No. 2.9e-05;  
Matches 81; Conservative 0; Mismatches 13; Indels 1; Gaps 1;  
QY 1 CTTGACCGCTGACCTCGT-ATCCACCGCGCTCAGCCTCCCAAGTGTGGATTACAGG 59  
|||||  
Db 75350 CTTGATCTCTGACCTGCTGATTACCCACCTCAGCCTCCCAAGTGTGGATTACAGG 59  
|||||  
QY 60 CATGAGCCACCGCCCGCCCATATTTATTGAT 94  
|||||  
Db 75410 CGTGAGCCACTGCACCGCGCTATCTGATTAT 75444

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Mon Feb 7 11:07:17 2000

us-08-973-815-1.rni

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